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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B27/30 G11B27/32

G11B27/10

H04N5/76

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G11B H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, PAJ

| C. DOCUM | ENTS CONSIDERED TO BE RELEVANT | |
|------------|--|-----------------------|
| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Refevant to claim No. |
| X | US 5 132 807 A (FUJIMOTO MIKIHIRO ET AL) 21 July 1992 (1992-07-21) | 1-4,7,8, 11 |
| Υ . | column 10-11 figures 10,13 | 5,6,9,10 |
| Υ | EP 0 939 405 A (NIPPON ELECTRIC CO) 1 September 1999 (1999-09-01) | 5,6,9,10 |
| A | paragraphs '0007!,'0025!,'0039! | 1-4,7,8, 11 |
| X | US 2002/076207 A1 (ANDO HIDEO ET AL) 20 June 2002 (2002-06-20) | 1-4,7,8, 11 |
| A | paragraphs '0091!,'0101!,'0122!,'0144!,'0155! figures 7,8,10 | 5,6,9,10 |
| | -/ | |
| | | |
| <u></u> | | |

| χ Further documents are listed in the continuation of box C. | χ Patent family members are listed in annex. |
|---|---|
| Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed | "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family |
| Date of the actual completion of the international search 10 March 2004 | Date of mailing of the International search report 18/03/2004 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 | Authorized officer Maetz, A |



Internation on No
PCT/IB 03/05921

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | |
|-------------|---|-----------------------|--|
| | "myTV - personalised services for digital television" IST, March 2002 (2002-03), XP002220956 Retrieved from the Internet: <url:http: euprojects="" mytv="" mytv%20final%20="" project%20o="" www.extra.research.philips.com=""> 'retrieved on 2002-11-11!</url:http:> | 1,7,8,11 | |
| | the whole document | 2-6,9,10 | |
| A | EP 0 692 790 A (HITACHI LTD) 17 January 1996 (1996-01-17) the whole document | 1-11 | |
| | | | |
| | | | |
| | | | |
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| | | | |
| | | | |



Internation on No
PCT/IB 03/05921

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
|--|----|---------------------|----------------------------|---------------|------------------|
| US 5132807 | Α | 21-07-1992 | JP | 2037566 A | 07-02-1990 |
| 05 5152557 | •• | 21 0, 2332 | JP | 2698383 B2 | 19-01-1998 |
| | | | ĴΡ | 2040165 A | 08-02-1990 |
| | | • | JP | 3004992 B2 | 31-01-2000 |
| | | | | | |
| EP 0939405 | Α | 01-09-1999 | JP | 3102407 B2 | 23-10-2000 |
| 2. 0000 | • | | ĴΡ | 11243524 A | 07-09-1999 |
| | | | ĒΡ | 0939405 A2 | 01-09-1999 |
| | | | | | |
| US 2002076207 | A1 | 20-06-2002 | JP | 3376303 B2 | 10-02-2003 |
| | | | JP | 2000182359 A | 30-06-2000 |
| | | | US | 6519413 B1 | 11-02-2003 |
| | | | US | 2002071657 A1 | 13-06-2002 |
| | | | US | 2002136532 A1 | 26-09-2002 |
| | | | US | 2002114618 A1 | 22-08-2002 |
| • | | | US | 2002159757 A1 | 31-10-2002 |
| | | | US | 2002131766 A1 | 19-09-2002 |
| | | | US | 2002114619 A1 | 22-08-2002 |
| | | | US | 2002136533 A1 | 26-09-2002 |
| | | | US | 2002076208 A1 | 20-06-2002 |
| | | | US | 2002081105 A1 | 27-06-2002 |
| | | | US | 6259858 B1 | 10-07-2001 |
| | | | US | 2001014208 A1 | 16-08-2001 |
| EP 0692790 | A | 17-01-1996 | JP | . 8032922 A | 02-02-1996 |
| | | | CN | 1121621 A , | B 01-05-1996 |
| • | | | DE | 69528419 D1 | 07-11-2002 |
| | | | DE | 69528419 T2 | 07-08-2003 |
| | | | EP | 0692790 A2 | 17-01-1996 |
| | | | KR | 210578 B1 | 15-07-1999 |
| | | | US | 6038366 A | 14-03-2000 |
| | | | US | 2002094192 A1 | 18-07-2002 |
| | | | US | 6389217 B1 | 14-05-2002 |
| | | | US | 5761371 A | 02-06-1998 |